

Acton Green, Turnham Green. London W.

Jan. 24. 1859

My Dear Dr Gray

1. As to bundles. I send 219 sheets of which were
more duplicates $27 = 192$. From them deduct fr in
fruit only or another in fl. nor fr. $18 = 174$. Of these
about $\frac{1}{3}$ are common useless things. After consulting
Harvey & B.A. I have paid £4 for them. If you think
that not enough I will give Harvey the diff.

2. As to Japan Orchid. I have sent you by
post the 2nd part of my Contributions to the Or-
chidology of India - which I had fancied you
must have had long since in the Journal of the
Linn. Soc. In this you will see about

Cremaster Breorchis. I am satisfied
that the Japan Cremaster is diff. from that
of Java - in the acute middle lobe of its
lip and in the wrinkled appendage, just as
Blume's artist represents it in his "Museum".

I have given no name - Name it yourself
But why variable? - Breorchis (see
also Contributions p. 2.) Your species is near the
Siberian O. patens but it has linear fraying, not

round lanceolate leaves, a scape without a
leafy vagina, a much larger inflorescence,
a tubular unguiculate not sessile, with the
middle lobe narrow sword-shaped base,
its lamella contiguous projecting only a
little beyond the junction of the lateral arms with
the middle lobe —

6. There has been some mess with labels.
What you now send as *Cephalanthus japonica*
is what you sent before marked *Epipactis*
Thunbergii. Very likely it is the scrapie variety
of middle-headed *Thunbergii*. As to No 7 it is
clearly what you state call 7 and I do not think
distinct from *C. ensifolia*. About I know as
a sample of such very long leafy bracts among
my specimens of that species. But if it is
Thunbergii *Scrapie foliata* which has spurred
flowers & no bracts at all why then his figures are
not *scrapie* but *misgeribes*. I am more in-

clined to regard it as *C. longifolia*. If his flowers
were really peduncled, of which Komppu says so-
thing they may have been wetted, or the worthy
Swiss may have added instead of the flowers,
G. Habermanii is certainly not *O. japonica*
which seems to be any *Habermanii* *linguella*.
It is a new species of the *costata* division. Not
among the Indian forms.

Liparis unifolia - Fr. It is not in the
Indian collections.

Loochoo - I do not want to see her. The
Aceris is new - the *Microtis* is a curious outly-
ing species of the Australian genus - certainly the
parvifolia. Of *Chusica* I can say no more.

I will write about *Nicaragua* hereafter.
Why don't you stir up a Caucus
to worry your rich Liberal (?) government
into a book put such as in poor European
possession. It is a shame that the United States
should be as bad as Spain
Very truly yours
L.

Dr. Isaac Hayes
Harvard University
Cambridge
Massachusetts
U.S.A.

